DAVIS

JOINT UNIFIED SCHOOL DISTRICT

Fall 2007 Report

Fall 2008 – Fall 2017
Student Population Projections
By Residence

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INTRODUCTION

The Davis Joint Unified School District has contracted with Davis Demographics & Planning, Inc. (DDP) to update and analyze demographic data relevant to the District's facility planning efforts. The scope of contracted work includes: mapping the District, address matching the current student file, developing and researching pertinent demographic data, identifying future residential development plans and developing a ten-year student population projection. DDP will then assist the District in developing solutions for housing future student population. Additionally, this study was prepared to assist the District's efforts in evaluating future site requirements and attendance area changes.

The purpose of this report is to identify and inform the District of the trends occurring in the community; how these trends may affect future student population; and to assist in illustrating facility adjustments that may be necessary to accommodate the potential student population shifts. The District can then use this information to better plan for the need, location and timing of facility or boundary adjustments.

The **Sources of Data** section details where the two sources of data, geographic and non-geographic, are collected and how each data item is used in the ten-year student population projection model.

The **Ten-Year Projection Methodology** section discusses in detail how the factors used in the study were calculated and why they were used. These factors include: the calculation of incoming kindergarten classes, additional students from new housing (referred to as student yield), the effects of student mobility, and a detailed review of planned residential development within the District.

The **District Student Resident Projection Summary** sections review the Fall 2007 student resident projection results. Included in these sections are a district wide student population projection summary and a projected resident student population summary for each existing attendance area and study area.

While reading this report, it is important to remember that this is a snapshot of current and potential student population based upon data gathered in Fall 2007. Population demographics change, development plans change, funding opportunities can change, District priorities can change, and therefore, new projections and adjustments to the overall Master Plan will continue to be necessary in the future.

EXECUTIVE SUMMARY

Davis Demographics & Planning, Inc. (DDP) is assisting the Davis Joint Unified School District (District) to plan for future student population changes. By factoring current and historical student data with demographic data and planned residential development, DDP calculated a ten-year student population projection. This projection is based upon residence of the students and is designed to alert the District as to when and where student population shifts will occur.

The District student population is expected to decline about one percent during the next 3 years with a decline from the 2007 population of approximately 80 K-12 students. The district will then experience a stabilization at the K-12 level. Births in the District have fluctuated between 2001-2006 with a slight downward trend; this will result in fluctuating future kindergarten classes also trending slightly downward. Starting in the 2012/2013 school year student population may see an increase due to students being produced from new homes built in the district. If the residential development is built as planned, the K-12 student population is expected to be approximately 8,500 in the 2017/2018 school year, a slight increase of the number of students from the 2007/2008 school year.

It is important to remember that DDP calculates the ten-year student population projection with the most current information available at the time. The further out the projection period the less accurate the projection may be. We anticipate changes to the demographic trends in the future and, therefore, stress the importance of annual updates to track the trends as they occur.

SOURCES OF DATA

Geographic Map Data

Four geographic data layers were updated for use in the ten-year student population projections:

1. Street Centerline Database
2. Study Areas
3. Schools
4. Students – Historical and Current

1) Street Centerline Data

DDP has licensed a digital street centerline map of the School District from ETAK. The street database has associated attributes that contain, but are not limited to, the following fields: full street name, address range and street classification

The main function of the streets is in the geo-coding process of the student data. Each student is address matched to the streets by their given address. The geo-coding process places a point on the map for every student in the exact location of student residence. This enables DDP to analyze the student data in a geographic manner.

Another vital utilization of the digital street database is in the construction of study areas. Freeways, major streets and neighborhood streets are used as boundaries for the study areas.

2) Study Areas

Study areas are small geographic areas and the building blocks of a school district; they are similar to neighborhoods. Study areas are geographically defined following logical boundaries of the neighborhood, such as freeways, streets, railroad tracks, rivers, etc. Each study area is then coded with the elementary, junior high and high school that the area is assigned to attend. By gathering information at the study area level, a school district can closely monitor growth and demographic trends in particular regions and spot potential need for boundary changes or new facilities.

3) Schools

The District provided school facility location information to DDP for the purpose of mapping the District facilities.

4) Student Data

a. Historical Student Data - Historical enrollment is used to compare past student population growth and trends as well as the effects of mobility (move-in, move-out from existing housing) throughout the District. DDP utilized the 4 previous years' (2003, 2004, 2005 and 2006) address matched students as historical data.

b. Current Student Data - A student data file geocoded approximately October 4th, 2007 summarized by grade level and by study area is used as a base for enrollment projections. Existing students were categorized by study area through the address matching process that locates each student within a particular area based upon their given address. The projections run each of the next ten years from fall 2008 through fall 2017.

The Student Accounting Summary (Table 1) indicates the total student enrollment as of October 4, 2007 and the number of student used in the ten year student population projections. The projection model is based upon student residence and excludes students residing outside of the District's boundaries, students unable to be address matched and special education students (special education students usually attend a school that services their particular need) and independent study students.

Student Accounting Summary
Fall 2007/2008 Actual Enrollment (10/4/2007)

Total Students Provided by District File (Fall 2007)	8,449
Students Unmatched	-18
Students Living out of District	-143
Independent Study Students	-171
STUDENTS USED IN PROJECTIONS	**8,117**

Table 1– Student Accounting Summary

Non-Geographic Data

Two basic sets of non-geographic data were compiled and reviewed for use in the ten-year student population projections by residence:

1. Births by Zip Code
2. Mobility Factors

1) Births by Zip Code Data - Birth data by postal zip code was obtained from the California State Department of Health for the years 1992-2006 and roughly correlated to the Davis Joint Unified School District. Past changes in historical birthrates are used to estimate incoming kindergarten student population from existing housing.

2) Mobility Factors - Mobility refers to the increase/decrease in the migration of students within the District boundaries (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage of increase/decrease among each grade for every year of the projections

TEN-YEAR PROJECTION METHODOLOGY

The projection methodology used in this study combines historical student population figures, past and present demographic characteristics, and planned residential development to forecast future student population at the study area level. District-wide projections are summarized from the individual study area projections. **These projections are based on where the students reside and their school of residence. DDP utilizes the actual location where students reside, as opposed to their school of enrollment, in order to provide the most accurate estimate of where future school facilities should be located.** The best way to plan for future student population shifts is to know where the next group of students will reside. The following details the methodology used in preparing the student population projections by residence.

Ten-Year Projections

Projections are calculated out ten years from the date of projection for several reasons. The planning horizon for any type of facility is typically no less than five years, often longer. Ten years are sufficient to adequately plan for a student population shift and facility restructuring. It is a short to mid term solution for planning needs. Projections beyond ten years are based on speculation due to the lack of reliable information on birthrates, new home construction, economic conditions, etc.

Why Projections are Calculated by Residence

Typically, school district projections are based on enrollment by school. However, this method is inadequate when used to locate future school facility requirements, because the location of the students is not taken into consideration. A school's enrollment can fluctuate due to variables in the curriculum, program changes, school administration and open enrollment policies. These variables can skew the apparent need for new or additional facilities in an area.

The method used by DDP is unique because it modifies a standard cohort projection with demographic factors and actual student location. **DDP bases it's projections on the belief that school facility planning is more accurate when facilities are located where the greatest number of students reside.**

The following details the methodology used in preparing the student population projections.

1) Progression - Each year of the projections, 12th grade students graduate, and continuing students progress through to the next grade level and kindergarten students start schools. This normal progression of students is modified by the following factors:

2) Incoming Kindergarten – Live birth data, reported to the California State Department of Health, by the resident postal zip code of the mother is used to project the base incoming kindergarten class. Additional kindergarten students may be added from future development. DDP uses birth data by zip code so, if need be, a different birth factor can be applied to various areas of the District.

Incoming kindergarten classes, for existing homes, are estimated by comparing changes in past births and birthrates. Table 2 shows the total births for each zip code in the Davis Joint Unified School District from 1994 to 2006. Future kindergarten classes (2008-2016) are estimated by multiplying the existing kindergarten class (2007) by the ratio of the projected year's births to the 2002 births. Assuming that the Fall 2007 kindergarten class was born in 2002, DDP compared the total births in 2002 to the total births in 2003 to determine a factor for next year's kindergarten class (Fall 2008). Similarly, 2002 was compared to 2004 (Fall 2009 K class), 2002 to 2005 (Fall 2010 K class) and 2002 to 2006 (Fall 2011 K class).

DDP used birth data from the zip codes 95616, 95617, 95618. The birth data indicates up to an 11% decrease in births from the base year (2002) but also shows some years of stability. The actual percent of change was used in years 1-4 of the projection. In an effort to not under project future kindergarten classes, a 1:1 ratio was used for years 5-10 of the projections.

		Birth by Zip Code			
		95616 95617 95618	Change from previous year		
Year	**1994**	**565**	91%		
	1995	**555**	89%		
	1996	**555**	89%		
	1997	**548**	88%		
	1998	**591**	94%		
	1999	**581**	93%		
	2000	**637**	102%		
	2001	**637**	102%	Birthrates	Year of
	2002	**622**	base	used by DDP	Projection
	2003	**632**	102%	**1.02**	2008
	2005	**600**	96%	**0.96**	2009
	2005	**556**	89%	**0.89**	2010
	2006	**607**	98%	**0.98**	2011
				0.98	2012
				0.99	2013
				1.00	2014
				1.00	2015
				1.00	2016
				1.00	2017

Table 2– Birth Data

3) Student Mobility Factors - Student mobility factors further refine the ten-year student population projections. Mobility refers to the increase/decrease in the migration of students within the District boundary (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage to each grade for every year of the projections.

A net increase or decrease of zero students over time is represented by a factor of 100% (1.0). A net student loss is represented by a factor less than 100% (1.00) and a net gain by a factor greater than 100% (1.00) (see example).

Example:

100 K grade students in fall 2007
X .957 (1st Grade mobility Korematsu E.S.)
= 95.7 1st Grade students in Fall 2008

Having historical student data categorized by study area is extremely helpful in calculating accurate Student Mobility Factors. DDP was able to utilize the last five years' (Fall 2003, 2004, 2005, 2006 and 2007) student data. The 2003 student data was compared to 2004, 2004 to 2005, and 2005 to 2006 and 2006 to this year's student data at the Study area level. Grades K-6 Mobility (primary mobility) and grades 7, 8, 9, 10, 11 and 12 Mobility (secondary mobility) were calculated to correspond with elementary attendance areas.

The sampling used was taken over a five-year period (student data from 2003 through 2007) and four yearly groupings were calculated. For example, a comparison was made for the Fall 2003 K student population to the Fall 2004 1st grade students. This comparison was also conducted for the Fall 2004 & Fall 2005, Fall 2005 & Fall 2006 and the Fall 2006 & Fall 2007 students.

Mobility Method– Uses geocoded students provided by SASI download to DDP. The geocoded data includes regular students that reside in D.J.U.S.D. This method compares ***all*** students residing in each attendance area from year to year. A mobility rate is calculated and applied for each grade in each attendance area.

Table 3– Mobility Data

	MF1	MF2	MF3	MF4	MF5	MF6	MF7	MF8	MF9	MF10	MF11	MF12
Birch Lane	**1.000**	**1.087**	**1.061**	**1.044**	**1.140**	**1.010**	**1.083**	**1.037**	**1.093**	**1.009**	**0.990**	**1.049**
Korematsu	**0.957**	**0.940**	**0.963**	**1.041**	**1.027**	**1.014**	**1.080**	**1.016**	**0.968**	**1.031**	**1.000**	**1.016**
Marguerite Mont.	**0.966**	**1.000**	**1.016**	**0.990**	**1.052**	**0.965**	**1.025**	**0.955**	**0.980**	**0.980**	**0.989**	**0.912**
North Davis	**0.931**	**0.956**	**0.918**	**0.891**	**0.930**	**0.913**	**1.024**	**0.977**	**0.971**	**1.000**	**0.914**	**1.000**
Patwin	**1.062**	**1.039**	**0.983**	**1.041**	**1.059**	**0.945**	**0.990**	**0.990**	**0.927**	**1.057**	**0.996**	**0.983**
Pioneer	**1.190**	**1.021**	**1.016**	**1.040**	**0.991**	**1.026**	**0.995**	**1.053**	**0.984**	**1.103**	**1.080**	**0.939**
Valley Oak	**1.167**	**1.131**	**0.969**	**1.143**	**0.966**	**1.083**	**1.035**	**1.027**	**1.000**	**1.165**	**0.863**	**1.211**
Robert E. Willett	**1.017**	**0.957**	**1.225**	**0.931**	**0.935**	**1.031**	**1.028**	**1.000**	**1.349**	**1.025**	**0.954**	**0.900**

4) Planned Residential Development –Planned residential development data is collected to determine the number of new residential units that will be built over the ten-year time frame of the student population projections. The units projected to be built within the next ten years will have the appropriate Student Yield Factor, Table 4, applied to them to determine the number of new students planned residential development will yield.

This data was obtained through discussions with the major developers within the District boundaries, the planning department of the City of Davis, he planning department of Yolo County, planning officials at U.C. Davis and District officials. A database map of the planned residential development was created, including, when available, project name, location, housing type, total number of units and estimated move-in dates (phasing schedule). Projected phasing is based upon occupancy of the unit and is used to help time the arrival of students from these new developments.

In the student population projection by residence DDP includes all approved and tentative tract maps in addition to any planned or proposed development that possibly will occur within the projection timeframe. The planned residential development information and phasing estimates is a snapshot of the District at the time of this study. All of the information may change and should be updated annually (see Table 4). At request of the district the Cannery Park development this been excluded from these projections.

Study Area	Project	Developer	Type	Total Units
15	West Village	UC Davis	SFD	475
15	West Village	UC Davis	APT	25
53B	Simmons	Simmons	SFD	110
97	Verona	Regis Homes	SFD	85
102	Parque Santiago	Caldwell Banker	SFD	24

Table 4– Planned Residential Development

Note: The development list includes projects that occupancy will begin in the ten-year time period of the enrollment projections. Some future projects may not be included if they do not fall in this time frame. Total Units reflect the number of approved units for the project not the remaining units to be built.

5) Student Yield Factors – Ten-Year Projections **-** Closely related to the planned residential development units are Student Yield Factors. The Student Yield Factors, when applied to planned residential development units, determine how many additional students will be generated from new construction within the District.

Student Yield Factors - District Wide*			
Type	K-6 Students	7-8 Students	9-12 Students
SFD	0.418	0.150	0.130
MFA	0.208	0.102	0.034
APT	0.295	0.094	0.075

Table 5– Student Yield Factors

*Note: Student Yield Factors are from 2007/07-2020/21 Enrollment Projections (draft) presented to the Board in April 2006.

APPLYING THE VARIABLES TO GENERATE THE PROJECTIONS

The following paragraphs summarize how DDP uses the factors to determine the student population projections. Remember that these projections are based on residence.

The Davis Joint Unified School District has been broken up into 247 study areas and each study area is coded for the elementary, junior high and high school attendance area in which it fall. The residential projections are calculated at the study area level. This means that DDP conducts 247 individual projections that are based upon the number of students residing in each study area.

The first step in running these projections involves listing the number of students that live in a particular study area by each individual grade (kindergarten through 12th grade). The current student base (Fall 2007) is then passed to the next year's grade (2007's K become 2008's 1st graders, 2007's 1st graders become 2008's 2nd graders, and so on). After the natural progression of students through the grades is applied, then Birth Factors are multiplied by the current kindergarten class to generate a base for the following year's kindergarten class.

Next, a Mobility Factor is applied to all grades. Again, these factors take into account the natural in/out migration of students throughout the District.

The last essential layer applied to the projections deals with additional students from planned residential development. This is a simple calculation, again conducted at the study area level, where the estimated number of new housing units for a particular year is multiplied by the appropriate Student Yield Factors. For example, if 100 single family detached (SFD) units are to be built in a specific study area in a given year, then you would multiply this number (100) by the SFD K-6 student yield factor (.418) and the resulting number of students (41.8) is divided evenly among the seven grades.

To finish generating the projections by residence, the same process is conducted for each of the 247 study areas. Once the projections have been run at the study area level, then it is simple addition to determine projections for each of the District's attendance areas or for a district-wide summary. For example, the student population projections for Davis Senior High School are simply the summary of all of the study areas that make up this specific attendance area (see **Sections Four, Five, and Six** for the projections of each elementary, junior high and high school attendance areas). The District Summary for the projections (**Section Three**) is a total summary of all 241 study areas, which excludes all of the students that attend a District school but live completely outside of the District's boundaries, special education students and independent study students. These out-of-district, special education students and independent study students are factored back into the projections by simply adding the existing totals in at the bottom of the projections. (Please see the Attendance Matrices in **Section Two** for a breakdown of the out-of-district, special education students and independent study students by school.) DDP adds the current total out-of-district, unmatched students, special education students and independent study students to each year of the projections because there is no way to accurately forecast these students in the future.

ATTENDANCE MATRICES

Three attendance matrices have been included to provide a better understanding of where students reside and where they attend school. **Remember, DDP projections are based upon where the students reside, not where they attend school. DDP uses the actual location where the students reside, as opposed to their school of enrollment, in order to provide the most accurate prediction of future facilities adjustments.** Therefore, since the projections are based upon where the students reside, the figures used as a base for each school's resident projection may differ from the actual reported enrollment for each school.

These attendance matrices act as a check and balance for student accounting. They show where the students reside (in what School of Residence) based upon our address matching capabilities and what school they attend (School of Attendance) based upon data in the student file supplied by the District. The inclusion of these matrices is essential to showing how the students used in the projections match up to the District's records of enrollment for each school. The best way to plan for future facilities changes is to know where the next group of students will be residing, not necessarily which school they are currently attending.

READING THE MATRIX

Looking at the Elementary School (Grades K-6) Attendance Matrix below, let's begin with Birch Lane as an example. Following down the first column with the Birch Lane heading, there are 354 K-6 grade students who attend Birch Lane *and* reside in the Birch Lane attendance area. Continuing downward, 120 students attend Birch Lane who resides in the Korematsu attendance area. Next the matrix shows that 19 students attend Birch Lane and reside in the Montgomery's attendance area, and so on.

The row "Out of District" refers to students who live completely outside of the Davis Joint Unified School District, but attend one of the District's schools. There are 14 Out of District students attending Birch Lane. "Unmatched" refers to students not geocoded due to address problems. There are 0 unmatched students attending Birch Lane. "Total Attendance" shows the total number of students attending a school regardless of where they reside, and reflects the District's enrollment counts for each school. There are a total of 584 students attending Birch Lane.

The next step is to read across the matrix, beginning with the Birch Lane attendance area row. We know that the 354 represents the total number of K-6 grade students that reside in the Birch Lane attendance area and attend Birch Lane. The next column, Fairfield, refers to the number of K-6 grade students that reside in the Birch Lane attendance area, but attend Fairfield. There are currently 9 students that reside in the Birch Lane attendance area and attend Fairfield.

The "Total Residence" column is the total number of students living in each particular attendance area. There are 565 K-6 students residing in the Birch Lane attendance area. The "Total Attendance" row is the actual number of students used in the Fall 2007 projections and can be derived by adding the each school residence column downward.

ELEMENTARY SCHOOL (GRADES K-6) ATTENDANCE MATRIX BASED UPON 2007 ATTENDANCE AREAS

SCHOOL OF ATTENDANCE

SCHOOL OF RESIDENCE	Birch Lane	Korematsu	Mont.	North Davis	Patwin	Pioneer	Valley Oak	Willett	Chavez	Fairfield	Total Residence**	Ind Study.	% Residence Attending*
Birch Lane	**354**	7	8	8	7	14	51	12	90	9	**560**	5	**63%**
Korematsu	120	**111**	17	8	5	94	117	13	73	7	**565**	4	**20%**
Marguerite Mont.	19	1	**379**	0	8	60	15	11	39	0	**532**	4	**71%**
North Davis	16	3	4	**392**	8	1	36	33	100	3	**596**	3	**66%**
Patwin	12	0	1	2	**393**	0	5	71	67	8	**559**	0	**70%**
Pioneer	9	3	29	3	0	**371**	17	3	39	2	**476**	2	**78%**
Valley Oak	34	12	13	13	5	6	**201**	3	40	0	**327**	7	**61%**
Willett	6	0	4	3	47	1	8	**357**	92	30	**548**	3	**65%**
Out of District	14	2	8	7	9	10	2	4	19	0	**75**	0	**Total**
Unmatched	0	0	0	0	0	9	1	0	1	0	**11**	0	**2007 K-6**
Total Attendance	**584**	**139**	**463**	**436**	**482**	**566**	**453**	**507**	**560**	**59**	**4,249**	**28**	**4,277**
Transfer Students	230	28	67	44	89	195	252	150	560	59	**1,674**	28	
% of Total	39%	20%	14%	10%	18%	34%	56%	30%	100%	100%	39%	100%	

ELEMENTARY SCHOOL (GRADES K-6) ATTENDANCE MATRIX BASED UPON 2008 ATTENDANCE AREAS

SCHOOL OF ATTENDANCE

SCHOOL OF RESIDENCE	Birch Lane	Korematsu	Mont.	North Davis	Patwin	Pioneer	Valley Oak	Willett	Chavez	Fairfield	Total Residence**	Ind Study.	
Birch Lane	**368**	7	11	14	8	16	128	14	98	9	**673**	7	
Korematsu	129	**117**	21	8	5	96	166	13	93	7	**655**	6	
Marguerite Mont.	18	2	**330**	0	8	47	36	10	34	0	**485**	4	
North Davis	25	8	10	**399**	12	3	89	34	110	3	**693**	6	
Patwin	12	0	1	3	**406**	0	5	77	70	23	**597**	0	
Pioneer	12	3	78	3	0	**384**	18	4	46	2	**550**	2	
Willett	6	0	4	2	34	1	8	**351**	89	15	**510**	3	
Out of District	14	2	8	7	9	10	2	4	19	0	**75**	0	**Total**
Unmatched	0	0	0	0	0	9	1	0	1	0	**11**	0	**2007 K-6**
Total Attendance	**584**	**139**	**463**	**436**	**482**	**566**	**453**	**507**	**560**	**59**	**4,249**	**28**	**4,277**

* Percentage of resident students attending resident school.

** All Students including GATE, Special Education and ELL

JUNIOR HIGH (GRADES 7-9) ATTENDANCE MATRIX BASED UPON 2007 ATTENDANCE AREAS

SCHOOL OF RESIDENCE	SCHOOL OF ATTENDANCE					% Residence
	Emerson	Harper	Holmes	Ind. Study	Total Residence	Attending*
Emerson	**418**	8	111	0	**537**	**78%**
Harper	16	**621**	97	0	**734**	**85%**
Holmes	63	104	**513**	0	**680**	**75%**
Out of District	13	15	5	0	**33**	
Independent Study	0	0	0	45	**45**	
Unmatched	1	0	0	0	**1**	
Total Attendance	**511**	**748**	**726**	**45**	**2,030**	
Transfer Students	93	127	213	45	**478**	
% of Total	18%	17%	29%	100%	**24%**	

* Percentage of resident students attending resident school.

HIGH SCHOOL (GRADES 10-12) ATTENDANCE MATRIX BASED UPON 2007 ATTENDANCE AREAS

SCHOOL OF RESIDENCE	SCHOOL OF ATTENDANCE					% Residence
	Davis Senior	DiVinci	King	Ind. Study	Total Residence	Attending*
Davis Senior High	**1,669**	274	60		**2,003**	**83%**
Out of District	24	5	4	2	**35**	
Independent Study	0	0	0	98	**98**	
Unmatched	2	3	0	1	**6**	
Total Attendance	**1,695**	**282**	**64**	**101**	**2,142**	
Transfer Students	26	282	64	101	**473**	
% of Total	2%	100%	100%	100%	**22%**	

* Percentage of resident students attending resident school.

TEN-YEAR PROJECTION SUMMARIES

Finally, the student population is projected out ten years for each of the study areas and for the entire Davis Joint Unified School District. The District Wide projection summaries enable the District to see a broad overview of future student population and what impact this population will have on existing facilities. The study area listings enable the District to monitor student population growth or decline in smaller geographic areas within the District.

At any point in time, study areas and their projected resident students can be shifted between schools to assist in balancing enrollment changes. Together, these projection summaries present the means to identify the timing of student arrivals and overall facility requirements, as well as location in order to accommodate the District's expected population shift.

District Projection Summary

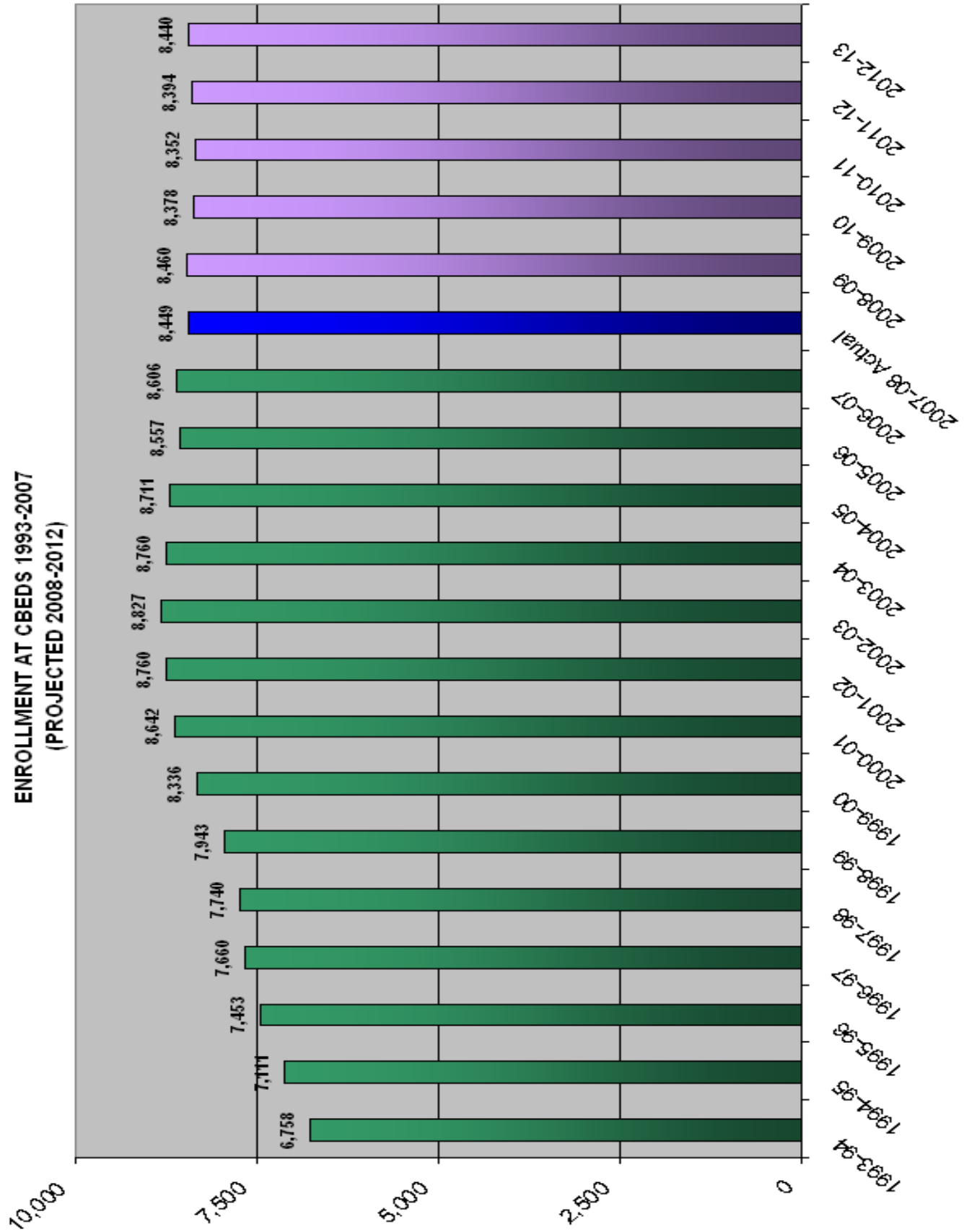
Projection Date 10/15/2007

		Base File 2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	K	540	549.8	520.9	486.3	535.6	537.4	546.7	545.0	544.4	541.5	541.5
	1	565	553.8	564.2	535.8	500.7	553.3	558.5	563.3	563.4	559.6	556.4
	2	601	571.3	558.5	572.9	545.5	512.2	569.5	570.2	573.3	569.0	564.9
	3	581	615.3	584.9	579.1	594.1	566.7	537.3	590.6	590.6	590.7	588.5
	4	596	583.7	615.8	592.8	587.5	606.8	582.9	546.2	600.6	597.8	597.7
	5	676	605.0	595.6	632.6	606.7	602.1	623.5	592.1	555.7	607.3	604.7
	6	604	669.5	603.0	593.7	635.9	614.9	612.5	631.2	600.3	561.2	610.0
	7	668	623.2	692.2	628.9	620.2	667.7	649.5	640.5	655.7	620.9	581.7
	8	646	672.6	627.1	701.3	640.3	634.4	687.2	661.5	652.1	666.2	631.1
	9	637	670.0	697.5	646.8	732.3	666.8	665.1	729.3	701.5	693.0	705.7
	10	670	661.5	694.7	727.8	675.0	763.3	703.2	693.7	760.2	730.8	725.1
	11	697	654.5	642.7	679.6	713.2	663.9	749.5	688.2	682.6	742.2	712.5
	12	636	694.3	647.5	640.2	671.0	709.9	661.1	745.6	690.2	675.5	736.5
SubTotal (Resident Students)	**K-6**	**4,163**	**4,148.4**	**4,042.9**	**3,993.2**	**4,006.0**	**3,993.4**	**4,030.9**	**4,038.6**	**4,028.3**	**4,027.1**	**4,063.7**
	7-9	**1,951**	**1,965.8**	**2,016.8**	**1,977.0**	**1,992.8**	**1,968.9**	**2,001.8**	**2,031.3**	**2,009.3**	**1,980.1**	**1,918.5**
	10-12	**2,003**	**2,010.3**	**1,984.9**	**2,047.6**	**2,059.2**	**2,137.1**	**2,113.8**	**2,127.5**	**2,133.0**	**2,148.5**	**2,174.1**
	K-12	**8,117**	**8,124.5**	**8,044.6**	**8,017.8**	**8,058.0**	**8,099.4**	**8,146.5**	**8,197.4**	**8,170.6**	**8,155.7**	**8,156.3**
Unmatched	K-6	11	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	7-9	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	10-12	6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	K-12	18	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Out of District	K-6	75	74.7	72.8	71.9	72.1	71.9	72.6	72.7	72.5	72.5	73.1
	7-9	33	33.4	34.3	33.6	33.9	33.5	34.0	34.5	34.2	33.7	32.6
	10-12	35	34.2	33.7	34.8	35.0	36.3	35.9	36.2	36.3	36.5	37.0
	K-12	143	142.3	140.8	140.3	141.0	141.7	142.5	143.4	142.9	142.7	142.7
Independent Study	K-6	28	29.0	28.3	28.0	28.0	28.0	28.2	28.3	28.2	28.2	28.4
	7-9	45	46.2	47.4	46.5	46.8	46.3	47.0	47.7	47.2	46.5	45.1
	10-12	98	100.5	99.2	102.4	103.0	106.9	105.7	106.4	106.7	107.4	108.7
	K-12	171	175.8	174.9	176.8	177.8	181.1	180.9	182.4	182.1	182.1	182.2
Total	**K-6**	**4,277**	**4,263.1**	**4,155.0**	**4,104.0**	**4,117.2**	**4,104.2**	**4,142.7**	**4,150.6**	**4,140.0**	**4,138.8**	**4,176.3**
	7-9	**2,030**	**2,046.4**	**2,099.5**	**2,058.1**	**2,074.5**	**2,049.6**	**2,083.9**	**2,114.6**	**2,091.7**	**2,061.3**	**1,997.2**
	10-12	**2,142**	**2,151.0**	**2,123.9**	**2,190.8**	**2,203.2**	**2,286.3**	**2,261.4**	**2,276.0**	**2,281.9**	**2,298.4**	**2,325.8**
	K-12	**8,449**	**8,460.5**	**8,378.3**	**8,352.9**	**8,394.8**	**8,440.2**	**8,488.0**	**8,541.2**	**8,513.6**	**8,498.5**	**8,499.3**

Mobility

Uses geocoded students provided by SASI download to DDP. The geocoded data includes regular students that reside in D.J.U.S.D. This method compares *all* students residing in each attendance area from year to year. A mobility rate is calculated and applied for each grade in each attendance area.

	MF1	MF2	MF3	MF4	MF5	MF6	MF7	MF8	MF9	MF10	MF11	MF12
Birch Lane	1.000	1.087	1.061	1.044	1.140	1.010	1.083	1.037	1.093	1.009	0.990	1.049
Korematsu	0.957	0.940	0.963	1.041	1.027	1.014	1.080	1.016	0.968	1.031	1.000	1.016
Marguerite Mont.	0.966	1.000	1.016	0.990	1.052	0.965	1.025	0.955	0.980	0.980	0.989	0.912
North Davis	0.931	0.956	0.918	0.891	0.930	0.913	1.024	0.977	0.971	1.000	0.914	1.000
Patwin	1.062	1.039	0.983	1.041	1.059	0.945	0.990	0.990	0.927	1.057	0.996	0.983
Pioneer	1.190	1.021	1.016	1.040	0.991	1.026	0.995	1.053	0.984	1.103	1.080	0.939
Valley Oak	1.167	1.131	0.969	1.143	0.966	1.083	1.035	1.027	1.000	1.165	0.863	1.211
Robert E. Willett	1.017	0.957	1.225	0.931	0.935	1.031	1.028	1.000	1.349	1.025	0.954	0.900



Source: California Department of Education
Davis Demographics and Planning, Inc.

Elementary School Projections by Residence

Attendance Area BIRCH LANE ELEM Projection Date 10/15/2007

	ACTUAL			PROJECTED RESIDENT STUDENTS							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	76.0	77.4	73.1	68.0	74.6	76.4	77.4	77.8	77.2	76.0	76.0
1	90.0	78.8	80.3	75.7	70.5	79.5	81.5	82.5	82.2	80.2	78.8
2	115.0	98.7	86.5	88.0	82.9	79.0	89.5	91.8	91.8	90.4	88.0
3	96.0	120.5	103.3	90.2	91.7	87.7	83.5	93.9	95.6	94.6	93.9
4	106.0	101.1	126.9	108.8	95.7	99.7	96.2	91.6	102.2	102.7	101.9
5	108.0	116.0	113.6	142.0	120.8	106.7	110.6	106.3	100.4	110.5	111.0
6	82.0	110.0	119.5	115.2	145.2	125.8	111.6	115.8	110.6	103.5	114.2
K-6	673.0	702.5	703.2	687.9	681.4	654.8	650.3	659.7	660.0	657.9	663.8

Attendance Area KOREMATSU ELEM Projection Date 10/15/2007

	ACTUAL			PROJECTED RESIDENT STUDENTS							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	93.0	94.7	89.5	83.2	92.8	92.8	94.6	93.0	93.0	93.0	93.0
1	90.0	90.9	92.7	87.1	82.7	91.6	92.2	91.5	90.9	90.9	90.9
2	86.0	87.1	87.4	89.2	85.5	80.4	90.2	88.8	88.6	87.4	87.4
3	81.0	83.1	84.2	84.6	87.8	83.6	79.8	86.7	85.3	85.5	84.6
4	102.0	85.2	87.1	89.1	90.3	93.8	90.5	83.7	92.1	90.7	90.0
5	94.0	104.0	87.4	89.1	92.2	94.0	97.6	92.7	85.7	93.6	92.2
6	109.0	95.9	106.0	89.2	92.4	96.2	98.0	100.2	94.3	87.6	95.8
K-6	655.0	640.9	634.3	611.5	623.7	632.4	642.9	636.6	629.9	628.7	633.9

Attendance Area MONTGOMERY ELEM Projection Date 10/15/2007

	ACTUAL			PROJECTED RESIDENT STUDENTS							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	64.0	65.2	61.5	56.9	62.8	62.8	63.3	64.0	64.0	64.0	64.0
1	68.0	62.3	63.6	59.7	55.3	60.9	60.9	61.8	62.3	62.3	62.3
2	71.0	68.9	62.5	63.8	60.1	55.7	61.3	61.3	62.0	62.5	62.5
3	68.0	72.0	69.7	63.5	64.6	60.8	56.3	62.4	62.4	62.8	63.5
4	68.0	67.9	71.7	70.1	63.2	64.3	60.7	56.3	61.9	61.9	62.6
5	76.0	71.1	71.0	75.2	73.0	66.2	67.4	63.7	59.1	64.8	64.8
6	70.0	74.1	69.1	68.7	72.8	71.3	64.2	65.5	61.7	57.2	62.9
K-6	485.0	481.5	469.1	457.9	451.8	442.0	434.1	435.0	433.4	435.5	442.6

Attendance Area NORTH DAVIS ELEM Projection Date 10/15/2007

	ACTUAL			PROJECTED RESIDENT STUDENTS							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	87.0	88.3	84.1	78.1	85.7	85.7	86.8	87.0	87.0	87.0	87.0
1	91.0	84.9	85.8	81.7	75.3	82.7	82.7	84.0	84.9	84.9	84.9
2	109.0	89.5	85.1	85.8	82.1	75.8	83.3	83.3	84.0	85.1	85.1
3	101.0	100.5	82.7	79.1	80.1	76.2	70.0	77.5	77.5	77.7	79.1
4	90.0	92.6	92.7	77.0	75.8	76.9	72.8	66.6	74.0	74.0	74.6
5	123.0	84.4	86.1	87.8	71.8	71.7	73.2	67.7	63.5	70.6	70.6
6	92.0	115.9	78.0	80.8	82.9	68.6	69.1	70.7	66.9	62.8	67.6
K-6	693.0	656.1	594.5	570.3	553.7	537.6	537.9	536.8	537.8	542.1	548.9

Attendance Area PATWIN ELEM Projection Date 10/15/2007

	ACTUAL			PROJECTED RESIDENT STUDENTS							
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	74.0	75.3	72.1	69.7	76.2	76.2	79.6	77.2	77.2	75.5	75.5
1	80.0	78.4	80.5	79.3	76.3	83.4	86.0	87.4	85.0	83.2	81.4
2	61.0	82.4	81.1	86.2	85.2	82.1	91.8	91.6	92.3	88.1	86.4
3	89.0	61.1	83.5	86.4	91.7	90.9	92.1	99.1	98.8	97.0	92.5
4	78.0	92.2	63.5	89.4	91.3	97.5	98.5	95.5	102.4	100.5	99.3
5	110.0	81.9	97.7	70.2	96.6	98.2	105.6	103.2	100.8	106.5	104.8
6	105.0	103.9	78.5	96.4	70.2	96.0	100.3	105.9	103.9	99.1	104.2
K-6	597.0	575.2	556.9	577.6	587.5	624.3	653.9	659.9	660.4	649.9	644.1

Elementary School Projections by Residence

Attendance Area PIONEER ELEM Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS								
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	67.0	68.7	64.5	59.8	65.7	65.7	66.5	67.0	67.0	67.0	67.0
1	72.0	78.3	79.6	74.6	69.4	76.2	76.2	77.0	77.9	77.9	77.9
2	83.0	73.5	79.4	81.1	76.1	70.6	77.7	77.7	78.3	79.0	79.0
3	77.0	84.5	74.8	80.7	82.6	77.4	71.6	78.7	78.7	79.5	80.3
4	85.0	80.3	87.5	77.3	83.8	85.2	79.8	74.0	81.6	81.6	82.4
5	83.0	85.2	80.0	87.3	77.0	83.4	85.1	79.5	73.8	81.1	81.1
6	83.0	84.9	87.0	81.3	88.8	78.5	84.9	86.7	81.4	75.3	83.0
K-6	550.0	555.4	552.8	542.1	543.4	537.0	541.8	540.6	538.7	541.4	550.7

Attendance Area WILLETT ELEM Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS								
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	79.0	80.2	76.1	70.6	77.8	77.8	78.5	79.0	79.0	79.0	79.0
1	74.0	80.2	81.7	77.7	71.2	79.0	79.0	79.1	80.2	80.2	80.2
2	76.0	71.2	76.5	78.8	73.6	68.6	75.7	75.7	76.3	76.5	76.5
3	69.0	93.6	86.7	94.6	95.6	90.1	84.0	92.3	92.3	93.6	94.6
4	67.0	64.4	86.4	81.1	87.4	89.4	84.4	78.5	86.4	86.4	86.9
5	82.0	62.4	59.8	81.0	75.3	81.9	84.0	79.0	72.4	80.2	80.2
6	63.0	84.8	64.9	62.1	83.6	78.5	84.4	86.4	81.5	75.7	82.3
K-6	510.0	536.8	532.1	545.9	564.5	565.3	570.0	570.0	568.1	571.6	579.7

Does not include independent study students and students residing outside of the D.J.U.S.D. boundaries.

Junior High School Projections by Residence

Attendance Area EMERSON JUNIOR HIGH Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS								
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	153.0	155.5	148.2	140.3	154.0	154.0	158.1	156.2	156.2	154.5	154.5
1	154.0	158.6	162.2	157.0	147.5	162.4	165.0	166.5	165.2	163.4	161.6
2	137.0	153.6	157.6	165.0	158.8	150.7	167.5	167.3	168.6	164.6	162.9
3	158.0	154.7	170.2	181.0	187.3	181.0	176.1	191.4	191.1	190.6	187.1
4	145.0	156.6	149.9	170.5	178.7	186.9	182.9	174.0	188.8	186.9	186.2
5	192.0	144.3	157.5	151.2	171.9	180.1	189.6	182.2	173.2	186.7	185.0
6	168.0	188.7	143.4	158.5	153.8	174.5	184.7	192.3	185.4	174.8	186.5
7	178.0	169.3	190.9	150.0	163.8	160.8	183.9	191.5	197.5	189.6	179.6
8	166.0	177.5	169.0	194.8	153.3	167.2	167.7	186.8	194.6	198.9	190.9
9	193.0	190.6	203.1	189.5	222.6	177.7	193.1	204.7	223.2	233.7	237.8
K-6	1107.0	1112.0	1089.0	1123.5	1152.0	1189.6	1223.9	1229.9	1228.5	1221.5	1223.8
7-9	537.0	537.4	563.0	534.3	539.7	505.7	544.7	583.0	615.3	622.2	608.3

Attendance Area HARPER JUNIOR HIGH Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS								
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	224.0	228.6	215.5	199.9	221.3	221.3	224.4	224.0	224.0	224.0	224.0
1	230.0	231.5	235.9	221.4	207.4	228.7	229.3	230.3	231.1	231.1	231.1
2	240.0	229.5	229.3	234.1	221.7	206.7	229.2	227.8	228.9	228.9	228.9
3	226.0	239.6	228.7	228.8	235.0	221.8	207.7	227.8	226.4	227.8	228.4
4	255.0	233.4	246.3	236.5	237.3	243.3	231.0	214.0	235.6	234.2	235.0
5	253.0	260.3	238.4	251.6	242.2	243.6	250.1	235.9	218.6	239.5	238.1
6	262.0	254.9	262.1	239.2	254.0	246.0	247.1	252.4	237.4	220.1	241.7
7	272.0	272.5	264.0	271.2	250.0	264.9	258.1	256.3	261.1	245.4	227.8
8	261.0	274.8	274.4	265.8	276.0	254.1	269.7	260.2	259.0	265.1	248.8
9	201.0	255.6	269.1	268.9	261.4	270.4	250.0	263.5	254.9	253.6	259.1
K-6	1690.0	1677.8	1656.2	1611.5	1618.9	1611.4	1618.8	1612.2	1602.0	1605.6	1627.2
7-9	734.0	802.9	807.5	805.9	787.4	789.4	777.8	780.0	775.0	764.1	735.7

Attendance Area HOLMES JUNIOR HIGH Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS								
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	163.0	165.7	157.2	146.1	160.3	162.1	164.2	164.8	164.2	163.0	163.0
1	181.0	163.7	166.1	157.4	145.8	162.2	164.2	166.5	167.1	165.1	163.7
2	224.0	188.2	171.6	173.8	165.0	154.8	172.8	175.1	175.8	175.5	173.1
3	197.0	221.0	186.0	169.3	171.8	163.9	153.5	171.4	173.1	172.3	173.0
4	196.0	193.7	219.6	185.8	171.5	176.6	169.0	158.2	176.2	176.7	176.5
5	231.0	200.4	199.7	229.8	192.6	178.4	183.8	174.0	163.9	181.1	181.6
6	174.0	225.9	197.5	196.0	228.1	194.4	180.7	186.5	177.5	166.3	181.8
7	218.0	181.4	237.3	207.7	206.4	242.0	207.5	192.7	197.1	185.9	174.3
8	219.0	220.3	183.7	240.7	211.0	213.1	249.8	214.5	198.5	202.2	191.4
9	243.0	223.8	225.3	188.4	248.3	218.7	222.0	261.1	223.4	205.7	208.8
K-6	1366.0	1358.6	1297.7	1258.2	1235.1	1192.4	1188.2	1196.5	1197.8	1200.0	1212.7
7-9	680.0	625.5	646.3	636.8	665.7	673.8	679.3	668.3	619.0	593.8	574.5

Does not include independent study students and students residing outside of the D.J.U.S.D. boundaries.

High School Projections by Residence

Attendance Area DAVIS SENIOR HIGH Projection Date 10/15/2007

	ACTUAL	PROJECTED RESIDENT STUDENTS									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	540.0	549.8	520.9	486.3	535.6	537.4	546.7	545.0	544.4	541.5	541.5
1	565.0	553.8	564.2	535.8	500.7	553.3	558.5	563.3	563.4	559.6	556.4
2	601.0	571.3	558.5	572.9	545.5	512.2	569.5	570.2	573.3	569.0	564.9
3	581.0	615.3	584.9	579.1	594.1	566.7	537.3	590.6	590.6	590.7	588.5
4	596.0	583.7	615.8	592.8	587.5	606.8	582.9	546.2	600.6	597.8	597.7
5	676.0	605.0	595.6	632.6	606.7	602.1	623.5	592.1	555.7	607.3	604.7
6	604.0	669.5	603.0	593.7	635.9	614.9	612.5	631.2	600.3	561.2	610.0
7	668.0	623.2	692.2	628.9	620.2	667.7	649.5	640.5	655.7	620.9	581.7
8	646.0	672.6	627.1	701.3	640.3	634.4	687.2	661.5	652.1	666.2	631.1
9	637.0	670.0	697.5	646.8	732.3	666.8	665.1	729.3	701.5	693.0	705.7
10	670.0	661.5	694.7	727.8	675.0	763.3	703.2	693.7	760.2	730.8	725.1
11	697.0	654.5	642.7	679.6	713.2	663.9	749.5	688.2	682.6	742.2	712.5
12	636.0	694.3	647.5	640.2	671.0	709.9	661.1	745.6	690.2	675.5	736.5
K-6	4163.0	4148.4	4042.9	3993.2	4006.0	3993.4	4030.9	4038.6	4028.3	4027.1	4063.7
7-9	1951.0	1965.8	2016.8	1977.0	1992.8	1968.9	2001.8	2031.3	2009.3	1980.1	1918.5
10-12	2003.0	2010.3	1984.9	2047.6	2059.2	2137.1	2113.8	2127.5	2133.0	2148.5	2174.1

Does not include independent study students and students residing outside of the D.J.U.S.D. boundaries.